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* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS	4	APR 04	STN AnaVist \$500 visualization usage credit offered
NEWS	5	MAY 10	CA/CAPLUS enhanced with 1900-1906 U.S. patent records
NEWS	6	MAY 11	KOREAPAT updates resume
NEWS	7	MAY 19	Derwent World Patents Index to be reloaded and enhanced
NEWS	8	MAY 30	IPC 8 Rolled-up Core codes added to CA/CAPLUS and USPATFULL/USPAT2
NEWS	9	MAY 30	The F-Term thesaurus is now available in CA/CAPLUS
NEWS	10	JUN 02	The first reclassification of IPC codes now complete in INPADOC
NEWS	11	JUN 26	TULSA/TULSA2 reloaded and enhanced with new search and and display fields
NEWS	12	JUN 28	Price changes in full-text patent databases EPFULL and PCTFULL
NEWS	13	JUL 11	CHEMSAFE reloaded and enhanced
NEWS	14	JUL 14	FSTA enhanced with Japanese patents
NEWS	15	JUL 19	Coverage of Research Disclosure reinstated in DWPI
NEWS	16	AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS EXPRESS		JUNE 30	CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS LOGIN			Welcome Banner and News Items
NEWS IPC8			For general information regarding STN implementation of IPC 8
NEWS X25			X.25 communication option no longer available

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:00:58 ON 10 AUG 2006

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 15:01:14 ON 10 AUG 2006

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 9 AUG 2006 HIGHEST RN 900096-56-2

DICTIONARY FILE UPDATES: 9 AUG 2006 HIGHEST RN 900096-56-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

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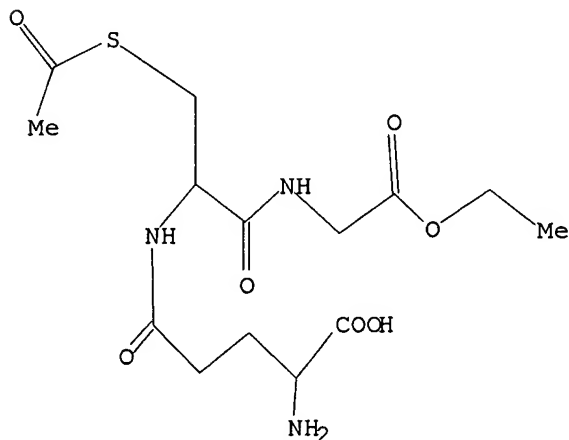
Uploading C:\Program Files\Stnexp\Queries\10750005\S-Ac-GSH-OEt.str

L1 STRUCTURE UPLOADED

=> dis

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s L1 FULL

FULL SEARCH INITIATED 15:01:42 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 387 TO ITERATE

100.0% PROCESSED 387 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

L2 1 SEA SSS FUL L1

=> fil hcap uspatful

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

166.94

167.15

FILE 'HCAPLUS' ENTERED AT 15:01:55 ON 10 AUG 2006

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATFULL' ENTERED AT 15:01:55 ON 10 AUG 2006

CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

=> L2

L3 4 L2

=> d L3 1-4 ibib abs hitstr

L3 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:999662 HCAPLUS

DOCUMENT NUMBER: 141:406156

TITLE: Methods for reducing oxidative stress in a cell with a
sulfhydryl protected glutathione prodrug

INVENTOR(S): Nagasawa, Herbert T.; Cohen, Jonathan F.

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 12 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004229815	A1	20041118	US 2003-750005	20031230
WO 2005074903	A2	20050818	WO 2004-US43660	20041227
WO 2005074903	A3	20060223		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, SM

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,
RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,

MR, NE, SN, TD, TG
 PRIORITY APPLN. INFO.:

US 2003-437872P P 20030103
 US 2003-750005 A 20031230

AB The invention relates to compns. and methods for reducing oxidative stress in a cell. The invention is comprised of contacting a cell with a sulfhydryl protected glutathione or cysteine prodrug thereby increasing intracellular glutathione or L-cysteine levels resulting in reduced hepatotoxicity.

IT 139774-74-6 139774-74-6D, derivs.

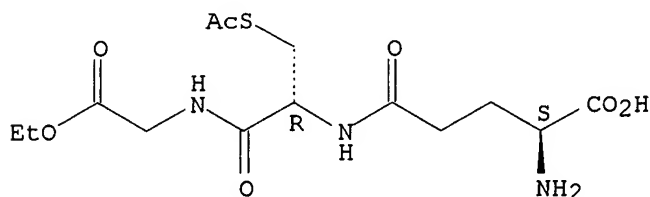
RL: PKT (Pharmacokinetics); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(sulfhydryl protected glutathione prodrug reduces oxidative stress in cells)

RN 139774-74-6 HCAPLUS

CN Glycine, N-(S-acetyl-N-L-γ-glutamyl-L-cysteinyl)-, 1-ethyl ester
 (9CI) (CA INDEX NAME)

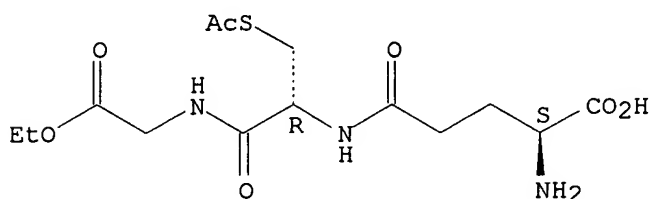
Absolute stereochemistry.



RN 139774-74-6 HCAPLUS

CN Glycine, N-(S-acetyl-N-L-γ-glutamyl-L-cysteinyl)-, 1-ethyl ester
 (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L3 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1992:152418 HCAPLUS

DOCUMENT NUMBER: 116:152418

TITLE: A process for the preparation of glutathione S-acyl derivatives, compounds obtained from said process and an intermediate useful for the preparation thereof

INVENTOR(S): Galzigna, Lauro

PATENT ASSIGNEE(S): Boehringer Mannheim Italia S.p.A., Italy

SOURCE: PCT Int. Appl., 18 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9200320	A1	19920109	WO 1991-EP1154	19910621
W: AU, BB, BG, BR, CA, CS, FI, HU, JP, KP, KR, LK, MC, MG, MN, MW, NO, PL, RO, SD, SU, US				
RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GN, GR, IT, LU, ML, MR, NL, SE, SN, TD, TG				
CA 2086107	AA	19911227	CA 1991-2086107	19910621
AU 9180736	A1	19920123	AU 1991-80736	19910621
EP 536231	A1	19930414	EP 1991-912027	19910621
EP 536231	B1	19961023		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
JP 05508405	T2	19931125	JP 1991-511061	19910621
AT 144532	E	19961115	AT 1991-912027	19910621
ES 2095940	T3	19970301	ES 1991-912027	19910621
US 5382679	A	19950117	US 1993-958344	19930210
PRIORITY APPLN. INFO.:			IT 1990-20760	A 19900626
			WO 1991-EP1154	A 19910621

OTHER SOURCE(S): CASREACT 116:152418

AB A selective and high yield process for S-acylating glutathione, comprising of the reaction between glutathione and an acyl chloride or a carboxylic acid anhydride in trifluoroacetic acid is described. Thus, addition of acid chlorides RCOCl ($\text{R} = \text{Me}_3\text{C}, \text{Me}, \text{Ph}, \text{PhCH}_2, \text{thienyl}$) to a solution of reduced glutathione in $\text{F}_3\text{CCO}_2\text{H}$ gave S-acyl derivs. H-Glu[Cys(COR)-Gly-OH]-OH in 78-85% yields.

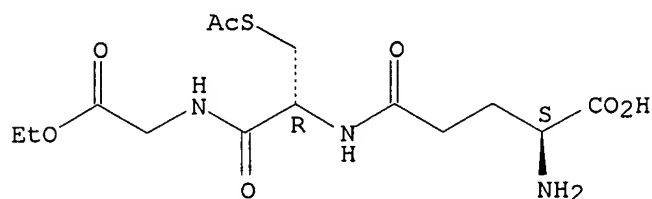
IT 139774-74-6P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 139774-74-6 HCAPLUS

CN Glycine, N-(S-acetyl-N-L- γ -glutamyl-L-cysteinyl)-, 1-ethyl ester
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



L3 ANSWER 3 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2004:292726 USPATFULL

TITLE: Methods for reducing oxidative stress in a cell with a
sulfhydryl protected glutathione prodrug

INVENTOR(S): Nagasawa, Herbert T., Richfield, MN, UNITED STATES
Cohen, Jonathan F., Prior Lake, MN, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004229815	A1	20041118
APPLICATION INFO.:	US 2003-750005	A1	20031230 (10)

NUMBER	DATE

PRIORITY INFORMATION: US 2003-437872P 20030103 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: MANDEL & ADRIANO, 55 SOUTH LAKE AVENUE, SUITE 710,
PASADENA, CA, 91101
NUMBER OF CLAIMS: 34
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 4 Drawing Page(s)
LINE COUNT: 703

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to compositions and methods for reducing oxidative stress in a cell, increasing glutathione levels in a cell, increasing L-cysteine levels in a cell and reducing hepatocytotoxicity by contacting a cell with a sulfhydryl protected glutathione prodrug or a sulfhydryl protected cysteine prodrug.

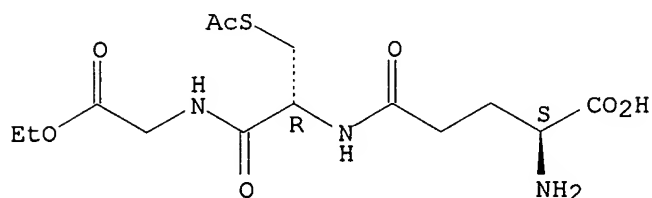
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 139774-74-6 139774-74-6D, derivs.
(sulfhydryl protected glutathione prodrug reduces oxidative stress in cells)

RN 139774-74-6 USPATFULL

CN Glycine, N-(S-acetyl-N-L-γ-glutamyl-L-cysteinyl)-, 1-ethyl ester
(9CI) (CA INDEX NAME)

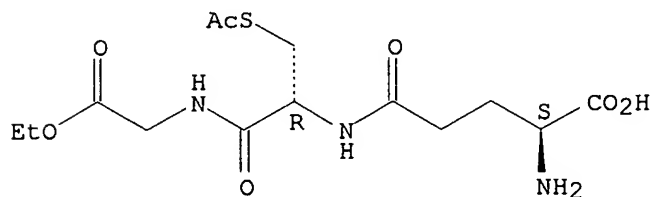
Absolute stereochemistry.



RN 139774-74-6 USPATFULL

CN Glycine, N-(S-acetyl-N-L-γ-glutamyl-L-cysteinyl)-, 1-ethyl ester
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



L3 ANSWER 4 OF 4 USPATFULL on STN

ACCESSION NUMBER: 95:6021 USPATFULL

TITLE: Process for the preparation of glutathione S-acyl derivatives, compounds obtained from said process and an intermediate useful for the preparation thereof

INVENTOR(S): Galzigna, Lauro, Padua, Italy

PATENT ASSIGNEE(S): Boehringer Mannheim Italia S.p.A., Milan, Italy
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5382679		19950117
APPLICATION INFO.:	US 1993-958344		19930210 (7)

	NUMBER	DATE
PRIORITY INFORMATION:	IT 1990-2076090	19900626
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Dees, Jose G.	
ASSISTANT EXAMINER:	Conrad, Joseph M.	
LEGAL REPRESENTATIVE:	Nikaido Marmelstein Murray & Oram	
NUMBER OF CLAIMS:	7	
EXEMPLARY CLAIM:	1	
LINE COUNT:	393	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A selective and high yield process for S-acylating glutathione, comprising the reaction between glutathione and an acyl chloride or a carboxylic anhydride in trifluoroacetic acid is described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

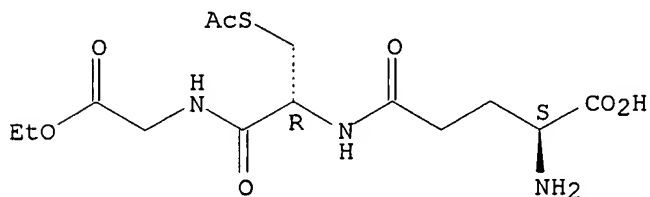
IT 139774-74-6P

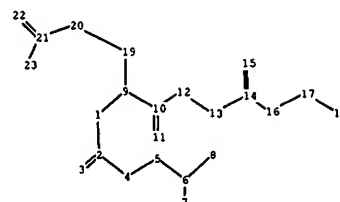
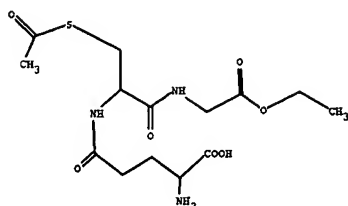
(preparation of)

RN 139774-74-6 USPATFULL

CN Glycine, N-(S-acetyl-N-L-γ-glutamyl-L-cysteinyl)-, 1-ethyl ester
(9CI) (CA INDEX NAME)

Absolute stereochemistry.





chain nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
23

chain bonds :

1-2 1-9 2-3 2-4 4-5 5-6 6-7 6-8 9-10 9-19 10-11 10-12 12-13 13-14
14-15 14-16 16-17 17-18 19-20 20-21 21-22 21-23

exact/norm bonds :

1-2 1-9 2-3 6-7 10-11 10-12 12-13 14-15 14-16 16-17 19-20 20-21
21-22

exact bonds :

2-4 4-5 5-6 6-8 9-10 9-19 13-14 17-18 21-23

Match level :

1:CLASS2:CLASS3:CLASS4:CLASS5:CLASS6:CLASS7:CLASS8:CLASS9:CLASS
10:CLASS11:CLASS12:CLASS13:CLASS14:CLASS15:CLASS16:CLASS17:CLASS
18:CLASS19:CLASS20:CLASS21:CLASS22:CLASS23:CLASS